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| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | | | Complete if Known | |
| | | | | Application Number | 10/821,389 |
| | | | | Filing Date | April 9, 2004 |
| | | | | First Named Inventor | Terrance P. SNUTCH |
| | | | | Art Unit | 1609 |
| | | | | Examiner Name | B. J. Packard |
| Sheet | 1 | of | 2 | Attorney Docket Number | 381092000624 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | 1. | US-4,751,230 | 06/1988 | Lavielle et al. | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
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| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | 2. | BG-17385 | 11/1973 | | | |
| | 3. | EP-0187524 | 07/1986 | | | |
| | 4. | EP-0213006 | 03/1987 | | | |
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| | 9. | WO-94/14786 | 07/1994 | | | |
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| | 11. | WO-99/25686 | 05/1999 | | | |
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| NON PATENT LITERATURE DOCUMENTS | | | | |
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| | 15. | BOURINET et al., Nature Neuroscience (1999) 2:407-415 | | |
| | 16. | CHIARINI et al., Bioorg & Med Chemistry (1996) 4(10):1629-1635 | | |
| | 17. | COHAN et al., Annals of the New York Academy of Sciences (1991) 635:397-399 | | |
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| | 20. | DE WAARD et al., Ion Channels (Narahashi, ed., Plenum Press, NY, 1997) 4:41-87 | | |
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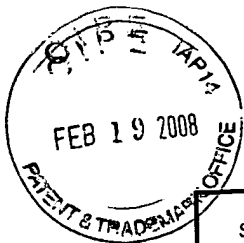
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| 22. | DOOLEY, Current Opinion in CPNS Investigational Drugs (1999) 1(1):116-125 | |
| 23. | DUNLAP et al., Trends Neurosci (1995) 18:89-98 | |
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| 26. | ESTEP et al., J Med Chem (1995) 38:2582-2595 | |
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| 30. | GRANTHAM et al., Brit J Pharmacol (1994) 111:483-488 | |
| 31. | International Search Report for PCT/CA2004/000535, date mailed on 1 July 2004, 5 pages | |
| 32. | Invitation to Pay Additional Fees for PCT/CA2004/000539, date mailed on 2 September 2004, 6 pages | |
| 33. | ITO et al., Eur J Pharmacol (1994) 257:203-210 | |
| 34. | KING et al., J Biol Chem (1989) 264:5633-5641 | |
| 35. | LEE et al., Journal of Neuroscience (1999) 19:1912-1921 | |
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| 39. | OHTAKA et al., Chem Pharm Bull (1987) 35(10):4117-4123 | |
| 40. | OHTAKA et al., Chem Pharm Bull (1987) 35(8):3270-3275 | |
| 41. | PEREZ-REYES et al., Nature (1998) 391:896-900 | |
| 42. | PRASAD et al., J Med Chem (1968) 11(6):1144-1150 | |
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| 44. | STEAD et al., Handbook of Receptors and Channels (North, ed., CRC Press 1995) 113-151 | |
| 45. | STEAD et al., PNAS USA (1994) 91:10576-10580 | |
| 46. | TOLDY et al., Acta Chimica Academiae Scientiarum Hungarica (1965) 44:301-325 (English Abstract included) | |
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| 35. | LEE et al., Journal of Neuroscience (1999) 19:1912-1921 | |
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| 40. | OHTAKA et al., Chem Pharm Bull (1987) 35(8):3270-3275 | |
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